



Acer Aspire E1-571 - Heat Sink Cleaning, Thermal Paste Replacing

Repairing Acer Aspire E1-571 - Heat Sink Cleaning, Thermal Paste Replacing

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INTRODUCTION

If your system overheating you must to clean the Heatsink system and/or change the thermal paste compound.

You must be very careful when you working with the motherboard. There are small components that can easily pulled down.

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[video: <http://youtu.be/SZKOM87Ho78>]



TOOLS:

- [iFixit Opening Tools](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [Arctic Silver Thermal Paste](#) (1)
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Step 1 — Heat Sink Cleaning, Thermal Paste Replacing



- Switch-off the laptop.
- Remove the battery and the DVD drive.

Step 2



- Unscrew 2x screws M 2.5x8.0
- With a plastic tool remove the Memory RAM / Hard Drive / Wifi Cover Door

Step 3

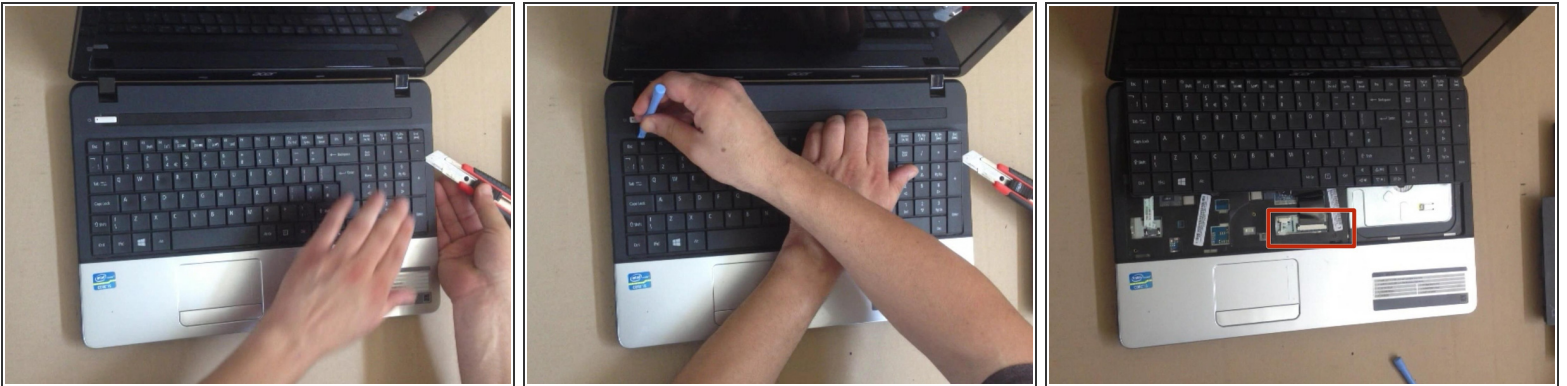


- Remove the SATA HDD, RAM memory module and WiFi mini PCI card
- More detailed information for this step you can find in this manual: [Acer Aspire E1-571 - HDD / RAM Memory / WiFi card Replacement](#)

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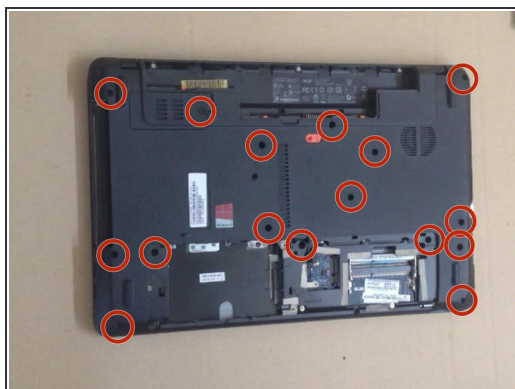
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Step 4



- The Keyboard is held by 6x locking clips at up and 2x at both sides.
- Use plastic tool to unlock 6x upper clips.
- Disconnect the keyboard flex cable and you are ready to install the new keyboard.
- More detailed information for this step you can find in this manual: [Acer Aspire E1-571 - Keyboard Replacement](#)

Step 5



● Now is time for screws :)

● 16x M3.0x8.0

● 2x M2.5x5.0

● 3x M2.0x3.0

Step 6

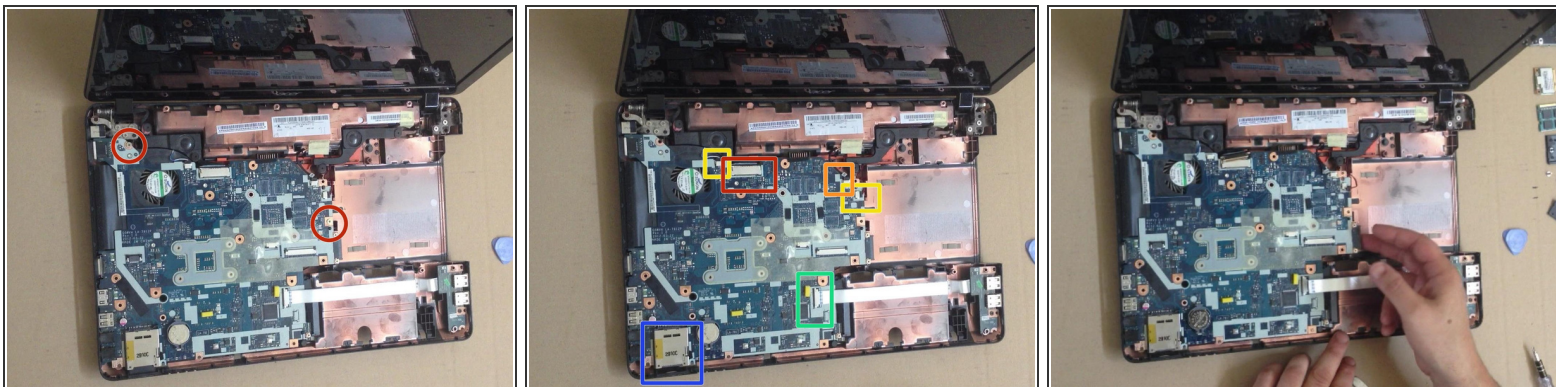


● Power switch cable connector

● Mouse cable connector

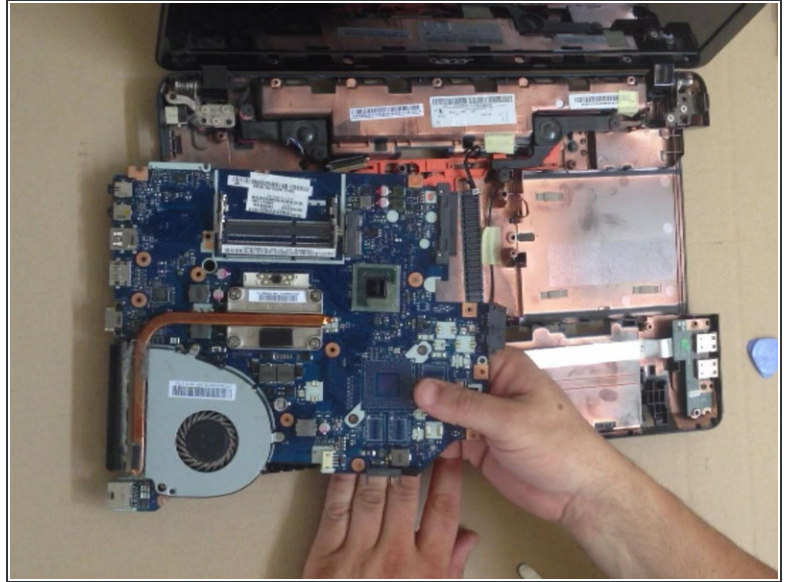
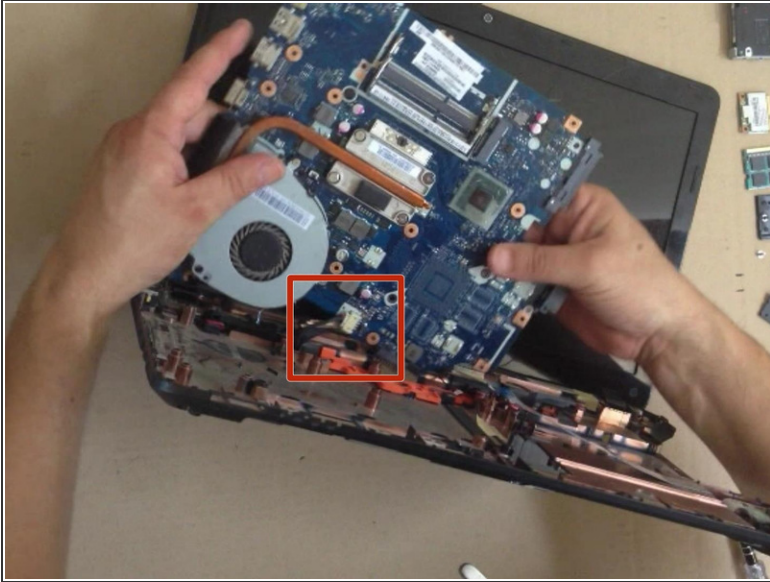
● Use plastic tool to separate the upper case.

Step 7



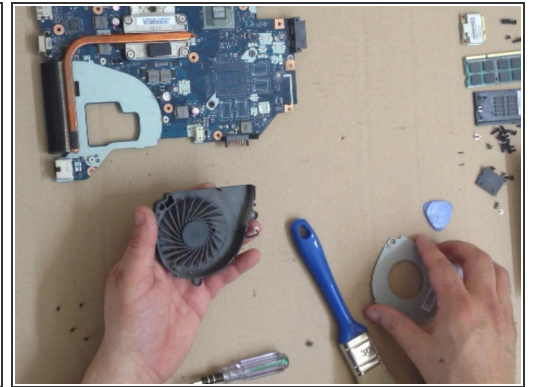
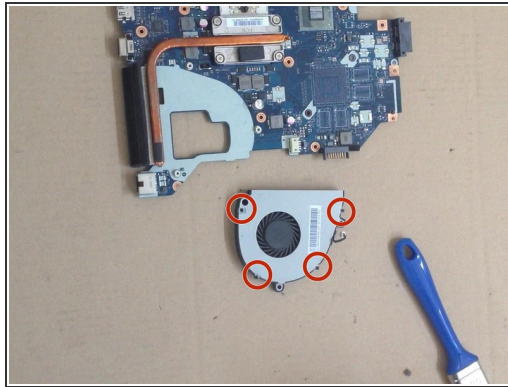
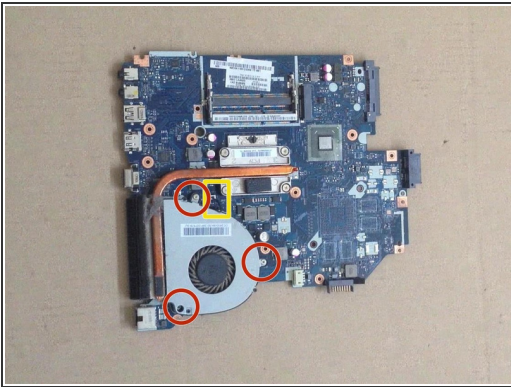
- Remove the 2x screws and disconnect 5x flex cable connectors:
 - 2x Loudspeakers cable connectors
 - LCD Display cable connector
 - Microphone cable connector
 - USB board flex cable connector
- Don't forget to remove the Card Reader Blanking Plate.
- To take out the Motherboard, pick-up it first from the right side (near to the DVD drive connector).

Step 8



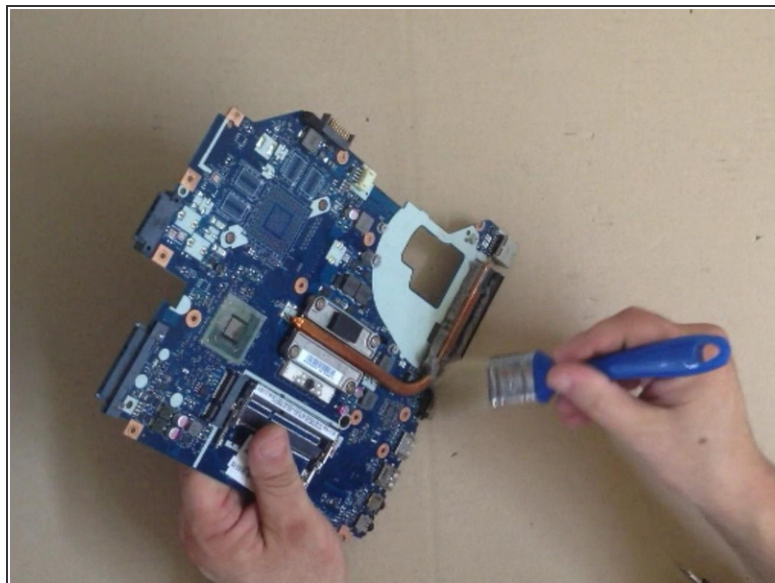
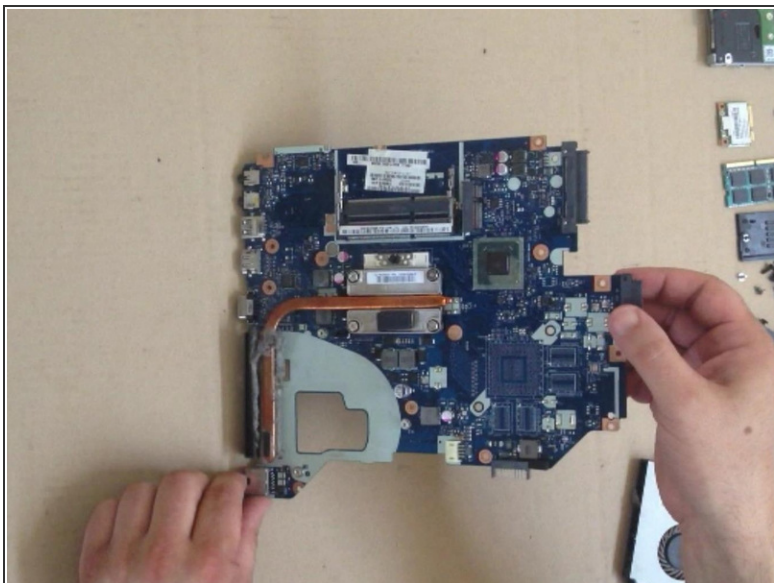
- Disconnect the Power /Charging cable connector from the back side of the Motherboard.

Step 9



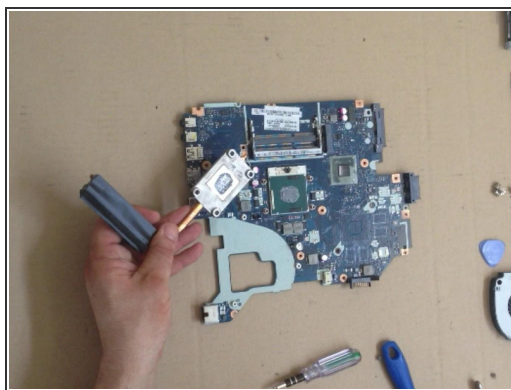
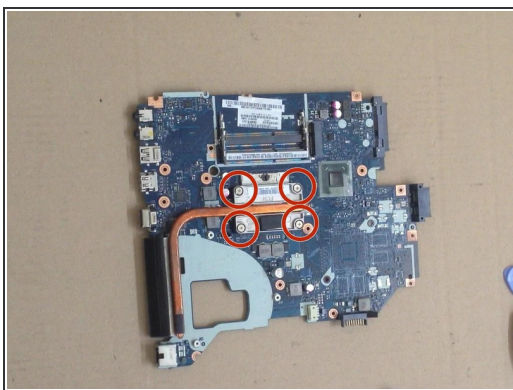
- 3x screws hold the fan to the Motherboard.
- Another 4x screws and you can open and clean the fan from inside.

Step 10



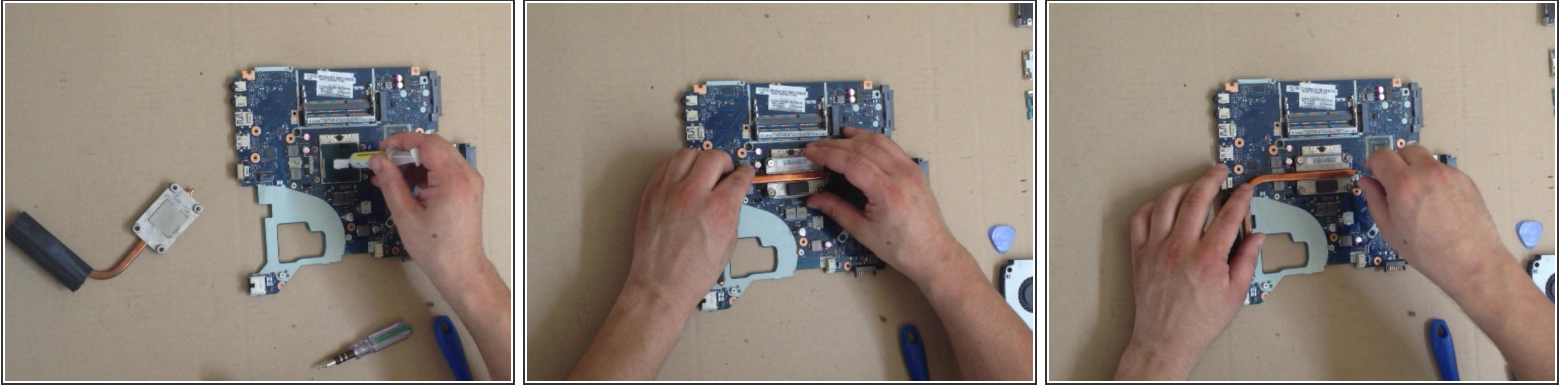
- Clean the radiator by using soft brush.

Step 11



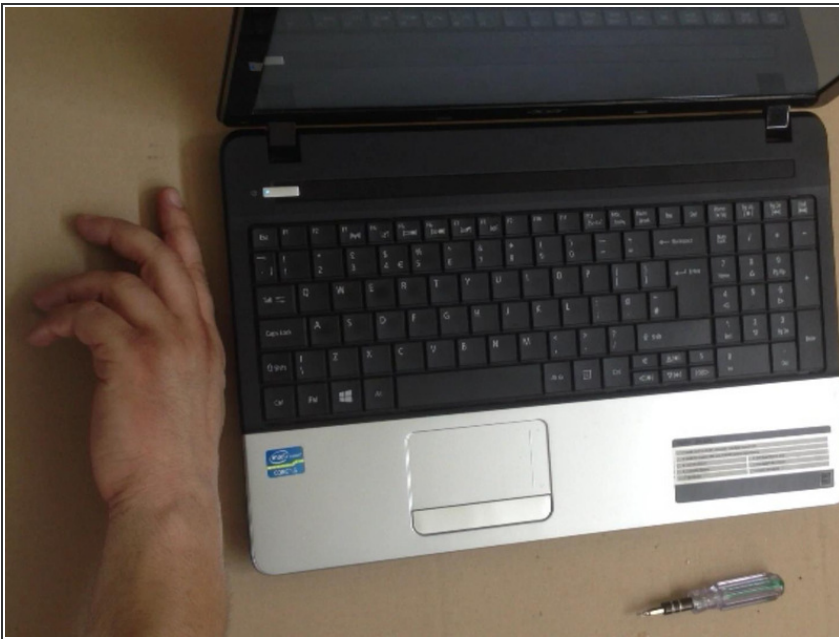
- Remove the heat sink system.
- Careful remove the old thermal patse from the Processor and from the Head-sync system.

Step 12



- Put a new thermal paste. Cover the entire surface of the CPU crystal.
- Install the Heat-sync system and screw the screws at a few steps.

Step 13



- Assemble the laptop and after switch-on it check is the fan working.

To reassemble your device, follow these instructions in reverse order.

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